

**Version:** May2011  
**Contract/Lab:** All Laboratories  
**Species:** MICE  
**Strain:** B6C3F1  
**Length of Study:** CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** METHYLCELLULOSE

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**Report Date:** 05/04/2011

**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Southern Research Institute	059902408	12/16/02	729	50(1)	36(687)	53.8	Androstenedione
Southern Research Institute	059903706	06/30/03	729	50(1)	40(701)	53.9	alpha/beta Thujone mixture
Female							
Southern Research Institute	059902408	12/16/02	733	50(5)	35(690)	65.3	Androstenedione
Southern Research Institute	059903706	06/30/03	731	50(5)	37(668)	64.7	alpha/beta Thujone mixture

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

#: Denominator is number of animals necropsied

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**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male							Female							
#All Organs: Osteosarcoma														
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	1/50	(2%)	0/50	(0%)	SD	1.41%
		0/100	(0%)	Mean	0%				1/100	(1%)	Mean	1%		
-----														
#All Organs: Osteosarcoma or Osteoma														
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD	1.41%	Total	1/50	(2%)	0/50	(0%)	SD	1.41%
		1/100	(1%)	Mean	1%				1/100	(1%)	Mean	1%		
-----														
*Adrenal Cortex: Adenoma														
Overall Incidence	Total	1/50	(2%)	2/50	(4%)	SD	1.41%	Total	0/50	(0%)	1/50	(2%)	SD	1.41%
		3/100	(3%)	Mean	3%				1/100	(1%)	Mean	1%		
-----														
*Adrenal Cortex: Plasma Cell Tumor Malignant														
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	1/50	(2%)	SD	1.41%
		0/100	(0%)	Mean	0%				1/100	(1%)	Mean	1%		
-----														
*Adrenal Medulla: Pheochromocytoma Benign														
Overall Incidence	Total	0/49	(0%)	0/49	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)	SD	0%
		0/98	(0%)	Mean	0%				0/100	(0%)	Mean	0%		
-----														
*Adrenal Medulla: Pheochromocytoma Malignant														
Overall Incidence	Total	0/49	(0%)	1/49	(2%)	SD	1.44%	Total	0/50	(0%)	0/50	(0%)	SD	0%
		1/98	(1.02%)	Mean	1.02%				0/100	(0%)	Mean	0%		

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**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female					
<b>*Adrenal Medulla:</b>											
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>											
		0/49	(0%)	1/49	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/98	(1.02%)	Mean	1.02%	SD	1.44%	Total	0/100	(0%)	Mean 0% SD 0%
<hr/>											
<b>*Bone Marrow:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean 0% SD 0%
<hr/>											
<b>*Bone Marrow:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean 1% SD 1.41%
<hr/>											
<b>*Bone Marrow:</b>											
<b>Plasma Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean 1% SD 1.41%
<hr/>											
<b>#Bone:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean 0% SD 0%
<hr/>											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female					
#Bone: Osteosarcoma															
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
.....															
#Bone: Osteosarcoma or Osteoma															
		0/50	(0%)	1/50	(2%)			1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
.....															
*Brain: Meningioma Benign															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Meningioma Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Meningioma: Benign, Malignant, NOS															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Oligodendroglioma Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	

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Male										Female					
<b>*Brain: Oligodendroglioma, Glioma, or Astrocytoma</b>															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
<b>*Brain: Schwannoma Malignant</b>															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
<b>*Clitoral/Preputial Gland: Adenoma</b>															
		0/50	(0%)	0/49	(0%)			0/47	(0%)	0/48	(0%)				
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/95	(0%)	Mean	0%	SD	0%	
<b>*Clitoral/Preputial Gland: Carcinoma</b>															
		0/50	(0%)	0/49	(0%)			0/47	(0%)	0/48	(0%)				
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/95	(0%)	Mean	0%	SD	0%	
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>															
		0/50	(0%)	0/49	(0%)			0/47	(0%)	0/48	(0%)				
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/95	(0%)	Mean	0%	SD	0%	
<b>*Clitoral/Preputial Gland: Hemangioma</b>															
		0/50	(0%)	0/49	(0%)			0/47	(0%)	0/48	(0%)				
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/95	(0%)	Mean	0%	SD	0%	

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Male												Female			
*Clitoral/Preputial Gland: Hemangiosarcoma															
		0/50	(0%)	0/49	(0%)			0/47	(0%)	0/48	(0%)				
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/95	(0%)	Mean	0%	SD	0%	
-----															
#Esophagus: Squamous Cell Carcinoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
#Eye: Sarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
#Harderian Gland: Adenoma															
		7/50	(14%)	8/50	(16%)			9/50	(18%)	5/50	(10%)				
Overall Incidence	Total	15/100	(15%)	Mean	15%	SD	1.41%	Total	14/100	(14%)	Mean	14%	SD	5.66%	
-----															
#Harderian Gland: Carcinoma															
		2/50	(4%)	2/50	(4%)			1/50	(2%)	1/50	(2%)				
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	0%	Total	2/100	(2%)	Mean	2%	SD	0%	
-----															
#Harderian Gland: Carcinoma or Adenoma															
		9/50	(18%)	10/50	(20%)			10/50	(20%)	6/50	(12%)				
Overall Incidence	Total	19/100	(19%)	Mean	19%	SD	1.41%	Total	16/100	(16%)	Mean	16%	SD	5.66%	

\*: Denominator is number of animals with tissues examined microscopically

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Male										Female						
#Harderian Gland: Sarcoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%
*Heart: Hemangiosarcoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%
#Intestine Large: Cecum: Adenoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%
#Intestine Large: Cecum: Carcinoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%
#Intestine Large: Cecum: Carcinoma or Adenoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%
#Intestine Large: Cecum: Leiomyoma																
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0/100	(0%) (0%)	SD	0%

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		Male						Female						
#Intestine Large: Colon/Rectum: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Intestine Small: Duodenum: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Intestine Small: Duodenum: Carcinoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Intestine Small: Duodenum: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Intestine Small: Duodenum: Polyp Adenomatous														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Intestine Small: Ileum: Carcinoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

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**Length of Study:** CHRONIC

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Male										Female					
#Intestine Small: Ileum: Hemangiosarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Intestine Small: Ileum: Polyp Adenomatous															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Adenoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Carcinoma															
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Hemangiosarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Leiomyosarcoma															
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%	

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female								
#Intestine Small: Site Unspecified: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Carcinoma														
Overall Incidence	Total	3/50 3/100	(6%) (3%)	Mean	3%	SD	4.24%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Carcinoma or Adenoma														
Overall Incidence	Total	3/50 3/100	(6%) (3%)	Mean	3%	SD	4.24%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Leiomyosarcoma														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	Mean	1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Polyp Adenomatous														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

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Report Date: 05/04/2011

Male						Female						
*Islets, Pancreatic: Adenoma												
Overall Incidence	Total	2/50 6/100	(4%) (6%)	4/50 Mean	(8%) 6%	SD 2.83%	Total	0/49 1/97	(0%) (1.03%)	1/48 Mean	(2%) 1.04%	SD 1.47%
*Islets, Pancreatic: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma												
Overall Incidence	Total	2/50 6/100	(4%) (6%)	4/50 Mean	(8%) 6%	SD 2.83%	Total	0/49 1/97	(0%) (1.03%)	1/48 Mean	(2%) 1.04%	SD 1.47%
*Kidney: Renal Tubule: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%

#: Denominator is number of animals necropsied

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Male							Female							
*Kidney: Renal Tubule: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
*Kidney: Renal Tubule: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
*Kidney: Renal Tubule: Plasma Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 1/100	(0%) (1%)	Mean	1%	SD	1.41%
*Kidney: Renal Tubule: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
*Liver: Fibrous Histiocytoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%
*Liver: Hemangioma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	Mean	1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

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**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female						
*Liver: Hemangiosarcoma																
		3/50	(6%)	2/50	(4%)						0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	5/100	(5%)	Mean	5%	SD	1.41%			Total	1/100	(1%)	Mean	1%	SD	1.41%
*Liver: Hepatoblastoma																
		3/50	(6%)	3/50	(6%)						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	6/100	(6%)	Mean	6%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%
*Liver: Hepatocellular Adenoma																
		32/50	(64%)	24/50	(48%)						14/50	(28%)	13/50	(26%)		
Overall Incidence	Total	56/100	(56%)	Mean	56%	SD	11.31%			Total	27/100	(27%)	Mean	27%	SD	1.41%
*Liver: Hepatocellular Carcinoma																
		26/50	(52%)	16/50	(32%)						5/50	(10%)	3/50	(6%)		
Overall Incidence	Total	42/100	(42%)	Mean	42%	SD	14.14%			Total	8/100	(8%)	Mean	8%	SD	2.83%
*Liver: Hepatocellular Carcinoma or Hepatoblastoma																
		27/50	(54%)	18/50	(36%)						5/50	(10%)	3/50	(6%)		
Overall Incidence	Total	45/100	(45%)	Mean	45%	SD	12.73%			Total	8/100	(8%)	Mean	8%	SD	2.83%
*Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma																
		41/50	(82%)	33/50	(66%)						17/50	(34%)	15/50	(30%)		
Overall Incidence	Total	74/100	(74%)	Mean	74%	SD	11.31%			Total	32/100	(32%)	Mean	32%	SD	2.83%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

#: Denominator is number of animals necropsied



**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

		Male					Female					
*Liver: Sarcoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%
*Lung: Alveolar/Bronchiolar Adenoma												
Overall Incidence	Total	7/50 14/100 (14%)	(14%)	7/50 Mean 14%	(14%)	SD 0%	Total	0/50 3/100 (3%)	(0%)	3/50 Mean 3%	(6%)	SD 4.24%
*Lung: Alveolar/Bronchiolar Carcinoma												
Overall Incidence	Total	11/50 17/100 (17%)	(22%)	6/50 Mean 17%	(12%)	SD 7.07%	Total	4/50 5/100 (5%)	(8%)	1/50 Mean 5%	(2%)	SD 4.24%
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma												
Overall Incidence	Total	16/50 29/100 (29%)	(32%)	13/50 Mean 29%	(26%)	SD 4.24%	Total	4/50 8/100 (8%)	(8%)	4/50 Mean 8%	(8%)	SD 0%
*Lung: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%
*Lung: Fibrous Histiocytoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male												Female			
*Lung: Hemangiosarcoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
*Lung: Plasma Cell Tumor Malignant															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	
*Lung: Sarcoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
#Lymph Node: Fibrous Histiocytoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
#Lymph Node: Hemangioma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	
#Lymph Node: Hemangiosarcoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female				
#Lymph Node: Plasma Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 1/100	(0%) (1%)	Mean	1/50 1%	SD	1.41%
#Lymph Node: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Bronchial: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mandibular: Fibrous Histiocytoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mandibular: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mandibular: Mast Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female								
#Lymph Node, Mandibular: Plasma Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	Mean	1/50 1%	SD	1.41%
#Lymph Node, Mesenteric: Fibrous Histiocytoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mesenteric: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mesenteric: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%
#Lymph Node, Mesenteric: Plasma Cell Tumor Malignant														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	Mean	1/50 1%	SD	1.41%	Total	0/50 1/100	(0%) (1%)	Mean	1/50 1%	SD	1.41%
#Mammary Gland: Adenoacanthoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

		Male						Female						
#Mammary Gland: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%
#Mammary Gland: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	1/50 2/100	(2%) (2%)	Mean	1/50 2%	SD	1/50 0%
#Mammary Gland: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	1/50 2/100	(2%) (2%)	Mean	1/50 2%	SD	1/50 0%
#Mammary Gland: Fibroadenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	1/50 2/100	(2%) (2%)	Mean	1/50 2%	SD	1/50 0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Overall Incidence by Tumor Type and Sex														
		Male						Female						
<hr/>														
#Mesentery: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
#Mesentery: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
#Mesentery: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
#Mesentery: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
*Nose: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
*Nose: Mast Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

	Male	Female			
<b>*Ovary:</b>					
<b>Fibrous Histiocytoma</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					
<b>*Ovary:</b>					
<b>Granulosa Cell Tumor Benign</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					
<b>*Ovary:</b>					
<b>Granulosa Cell Tumor Malignant</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					
<b>*Ovary:</b>					
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					
<b>*Ovary:</b>					
<b>Hemangioma</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					
<b>*Ovary:</b>					
<b>Hemangiosarcoma</b>					
		0/49	(0%)	0/48	(0%)
Overall Incidence	Total	0/97	(0%)	Mean	0%
SD 0%					

#: Denominator is number of animals necropsied



**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female					
*Ovary: Luteoma											
Overall Incidence						Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%
*Ovary: Plasma Cell Tumor Malignant											
Overall Incidence						Total	0/49 1/97	(0%) (1.03%)	1/48 Mean	(2%) 1.04%	SD 1.47%
*Ovary: Teratoma Benign											
Overall Incidence						Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%
*Ovary: Teratoma Malignant											
Overall Incidence						Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%
*Ovary: Tubulostromal Adenoma											
Overall Incidence						Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%
*Pancreas: Adenoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
Overall Incidence						Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD 0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female				
*Pancreas: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%
*Pancreas: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/49 0/97	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%
*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma														
Overall Incidence	Total	0/50 0/98	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%	Total	1/49 3/98	(2%) (3.06%)	2/49 Mean	(4%) 3.06%	SD	1.44%
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma														
Overall Incidence	Total	0/50 0/98	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%	Total	0/49 0/98	(0%) (0%)	0/49 Mean	(0%) 0%	SD	0%
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/98	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%	Total	1/49 3/98	(2%) (3.06%)	2/49 Mean	(4%) 3.06%	SD	1.44%
*Pituitary Gland: Pars Intermedia: Adenoma														
Overall Incidence	Total	0/50 0/98	(0%) (0%)	0/48 Mean	(0%) 0%	SD	0%	Total	0/49 0/98	(0%) (0%)	0/49 Mean	(0%) 0%	SD	0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

		Male					Female					
*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/98 (0%)	(0%)	0/48 Mean 0%	(0%)	SD 0%	Total	0/49 0/98 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%
*Prostate: Adenoma												
Overall Incidence	Total	0/50 0/99 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%						
*Prostate: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/99 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%						
*Prostate: Hemangioma												
Overall Incidence	Total	0/50 0/99 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%						
*Salivary Glands: Adenoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/49 0/98 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%
*Salivary Glands: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/49 0/98 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female						
*Salivary Glands: Mast Cell Tumor Malignant												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/49 0/98 (0%)	(0%)	0/49 Mean 0%	(0%)	SD 0%
-----												
#Seminal Vesicle: Adenoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%						
-----												
#Skeletal Muscle: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	1/50 1/100 (1%)	(2%)	0/50 Mean 1%	(0%)	SD 1.41%
-----												
#Skeletal Muscle: Hemangiosarcoma												
Overall Incidence	Total	0/50 2/100 (2%)	(0%)	2/50 Mean 2%	(4%)	SD 2.83%	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%
-----												
#Skeletal Muscle: Myxosarcoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	1/50 1/100 (1%)	(2%)	0/50 Mean 1%	(0%)	SD 1.41%
-----												
#Skeletal Muscle: Rhabdomyosarcoma												
Overall Incidence	Total	0/50 0/100 (0%)	(0%)	0/50 Mean 0%	(0%)	SD 0%	Total	0/50 1/100 (1%)	(0%)	1/50 Mean 1%	(2%)	SD 1.41%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female				
#Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Basosquamous Tumor Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Fibroma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	5/50 8/100	(10%) (8%)	3/50 Mean	(6%) 8%	SD	2.83%
.....														
#Skin: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	3/50 5/100	(6%) (5%)	2/50 Mean	(4%) 5%	SD	1.41%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female					
#Skin: Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma											
		1/50	(2%)	0/50	(0%)			5/50	(10%)	3/50	(6%)
Overall Incidence	Total	1/100 (1%)		Mean 1%	SD 1.41%		Total	8/100 (8%)		Mean 8%	SD 2.83%
.....											
#Skin: Fibrous Histiocytoma											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100 (1%)		Mean 1%	SD 1.41%		Total	0/100 (0%)		Mean 0%	SD 0%
.....											
#Skin: Granular Cell Tumor Benign											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100 (0%)		Mean 0%	SD 0%		Total	0/100 (0%)		Mean 0%	SD 0%
.....											
#Skin: Hemangioma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100 (0%)		Mean 0%	SD 0%		Total	0/100 (0%)		Mean 0%	SD 0%
.....											
#Skin: Hemangiosarcoma											
		1/50	(2%)	0/50	(0%)			1/50	(2%)	1/50	(2%)
Overall Incidence	Total	1/100 (1%)		Mean 1%	SD 1.41%		Total	2/100 (2%)		Mean 2%	SD 0%
.....											
#Skin: Keratoacanthoma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100 (0%)		Mean 0%	SD 0%		Total	0/100 (0%)		Mean 0%	SD 0%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female					
#Skin: Lipoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	
.....															
#Skin: Mast Cell Tumor Benign															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	
.....															
#Skin: Mast Cell Tumor Malignant															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	
.....															
#Skin: Melanoma Benign															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	
.....															
#Skin: Melanoma Malignant															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	
.....															
#Skin: Myxosarcoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	Mean	0/50 0%	SD	0/50 0%	Total	1/50 1/100	(2%) (1%)	Mean	0/50 1%	SD	1.41%	

#: Denominator is number of animals necropsied



Version: May2011  
Contract/Lab: All Laboratories  
Species: MICE  
Strain: B6C3F1  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Page: 100  
Report Date: 05/04/2011

Male						Female					
#Skin:											
Neural Crest Tumor											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Neurofibroma or Schwannoma benign											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Neurofibrosarcoma or Schwannoma (malignant or NOS)											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	1/50	(2%)
		0/100	(0%)	Mean 0%	1/100			(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	1/50	(2%)
		0/100	(0%)	Mean 0%	1/100			(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Osteosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Sarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	1/50	(2%)	1/50	(2%)
		0/100	(0%)	Mean 0%	2/100			(2%)	Mean 2%	SD 0%	
.....											

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: MICE  
Strain: B6C3F1  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date: 05/04/2011

Male						Female								
#Skin: Schwannoma Benign														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Schwannoma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%
.....														
#Skin: Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Squamous Cell Papilloma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Squamous Cell Papilloma or Papilloma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

**Version:** May2011  
**Contract/Lab:** All Laboratories  
**Species:** MICE  
**Strain:** B6C3F1  
**Length of Study:** CHRONIC

## Toxicology Data Management System

### Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

**Vehicle:** METHYLCELLULOSE

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Report Date: 05/04/2011

Male										Female										
#Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				
#Skin: Trichoepithelioma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				
#Skin: Sebaceous Gland: Adenoma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				
#Skin: Sebaceous Gland: Carcinoma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				
#Skin: Sebaceous Gland: Carcinoma or Adenoma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				
#Spinal Cord: Hemangiosarcoma																				
		0/50	(0%)	0/50	(0%)							0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%			Total	0/100	(0%)	Mean	0%	SD	0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female					
#Spinal Cord: Meningioma Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
*Spleen: Fibrous Histiocytoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
*Spleen: Hemangioma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
*Spleen: Hemangiosarcoma															
		1/50	(2%)	1/50	(2%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	2/100	(2%)	Mean	2%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
-----															
*Spleen: Mast Cell Tumor Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
-----															
*Spleen: Plasma Cell Tumor Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%	

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male										Female					
#Stomach, Forestomach: Mast Cell Tumor Malignant															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
#Stomach, Forestomach: Squamous Cell Carcinoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
#Stomach, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous															
Overall Incidence	Total	2/50 2/100	(4%) (2%)	0/50 Mean	(0%) 2%	SD	2.83%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	
#Stomach, Forestomach: Squamous Cell Papilloma															
Overall Incidence	Total	2/50 2/100	(4%) (2%)	0/50 Mean	(0%) 2%	SD	2.83%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	
#Stomach, Glandular: Adenoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	
#Stomach, Glandular: Carcinoma or Adenoma															
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	

#: Denominator is number of animals necropsied

**Version:** May2011

**Contract/Lab:** All Laboratories

**Species:** MICE

Strain: B6C3F1

**Length of Study:** CHRONIC

## Toxicology Data Management System

### Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

**Vehicle:** METHYLCELLULOSE

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Report Date: 05/04/2011

Male										Female						
*Testes: Adenoma																
		0/50	(0%)	1/50	(2%)											
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%									
*Thymus: Thymoma Benign																
		0/45	(0%)	0/44	(0%)											
Overall Incidence	Total	0/89	(0%)	Mean	0%	SD	0%	Total	0/47	(0%)	0/46	(0%)	Mean	0%	SD	0%
*Thymus: Thymoma Malignant																
		0/45	(0%)	0/44	(0%)											
Overall Incidence	Total	0/89	(0%)	Mean	0%	SD	0%	Total	0/47	(0%)	0/46	(0%)	Mean	0%	SD	0%
*Thymus: Thymoma: Benign, Malignant, NOS																
		0/45	(0%)	0/44	(0%)											
Overall Incidence	Total	0/89	(0%)	Mean	0%	SD	0%	Total	0/47	(0%)	0/46	(0%)	Mean	0%	SD	0%
*Thyroid Gland: C-Cell: Carcinoma																
		0/50	(0%)	0/49	(0%)											
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/50	(0%)	0/50	(0%)	Mean	0%	SD	0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma																
		0/50	(0%)	0/49	(0%)											
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/50	(0%)	0/50	(0%)	Mean	0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

Male						Female						
*Thyroid Gland: Follicular Cell: Adenoma												
Overall Incidence	Total	0/50 1/99	(0%) (1.01%)	1/49 Mean	(2%) 1.02%	SD 1.44%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
*Thyroid Gland: Follicular Cell: Carcinoma												
Overall Incidence	Total	0/50 1/99	(0%) (1.01%)	1/49 Mean	(2%) 1.02%	SD 1.44%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 2/99	(0%) (2.02%)	2/49 Mean	(4%) 2.04%	SD 2.89%	Total	2/50 2/100	(4%) (2%)	0/50 Mean	(0%) 2%	SD 2.83%
#Tissue NOS: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
#Tissue NOS: Hemangiosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
#Tissue NOS: Plasma Cell Tumor Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%

#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

		Male						Female						
#Tissue NOS: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Tongue: Fibroma														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Tongue: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Tongue: Squamous Cell Carcinoma or Papilloma Squamous														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Tooth: Odontoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
*Urinary Bladder: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

#: Denominator is number of animals necropsied



**Length of Study:** CHRONIC

**Vehicle:** METHYLCELLULOSE

Report Date: 05/04/2011

#: Denominator is number of animals necropsied

**Version:** May2011  
**Contract/Lab:** All Laboratories  
**Species:** MICE  
**Strain:** B6C3F1  
**Length of Study:** CHRONIC

## Toxicology Data Management System

### Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

**Vehicle:** METHYLCELLULOSE

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Report Date: 05/04/2011

	Male	Female			
#Uterus: Leiomyosarcoma					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%
				SD	0%
#Uterus: Polyp Stromal					
Overall Incidence	Total	2/50 3/100	(4%) (3%)	1/50 Mean	(2%) 3%
				SD	1.41%
#Uterus: Sarcoma					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%
				SD	0%
#Uterus: Sarcoma Stromal					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%
				SD	0%
#Uterus: Sarcoma Stromal or Polyp Stromal					
Overall Incidence	Total	2/50 3/100	(4%) (3%)	1/50 Mean	(2%) 3%
				SD	1.41%
#Uterus: Schwannoma Malignant					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%
				SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: MICE  
Strain: B6C3F1  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Page: 110  
Report Date: 05/04/2011

Male						Female					
#Vagina: Liposarcoma											
						0/50 (0%)		0/50 (0%)			
Overall Incidence						Total	0/100 (0%)	Mean	0%	SD	0%
#Vagina: Squamous Cell Papilloma											
						0/50 (0%)		0/50 (0%)			
Overall Incidence						Total	0/100 (0%)	Mean	0%	SD	0%
#Zymbal's Gland: Carcinoma											
						0/50 (0%)		0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	0/50 (0%)		Total	0/50 (0%)	0/50 (0%)			
			0/100 (0%)	Mean 0%	SD 0%			Mean 0%		SD 0%	
#Zymbal's Gland: Carcinoma or Adenoma											
						0/50 (0%)		0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	0/50 (0%)		Total	0/50 (0%)	0/50 (0%)			
			0/100 (0%)	Mean 0%	SD 0%			Mean 0%		SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied